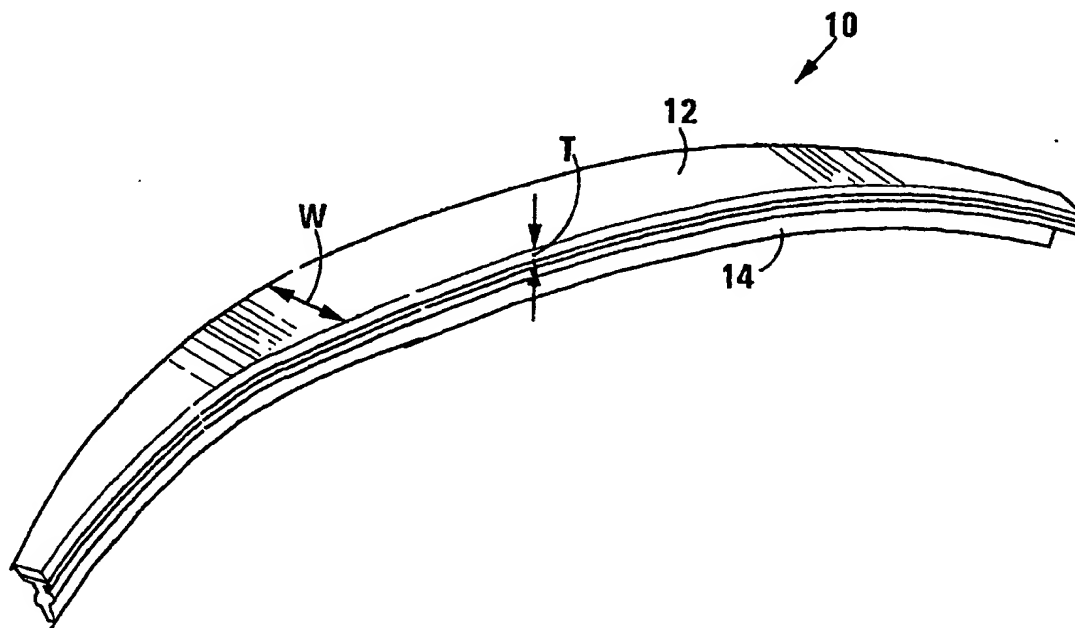


## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>7</sup> : <b>B60S 1/38</b>	<b>A1</b>	(11) International Publication Number: <b>WO 00/21809</b> (43) International Publication Date: 20 April 2000 (20.04.00)
<p>(21) International Application Number: PCT/IB99/01568</p> <p>(22) International Filing Date: 22 September 1999 (22.09.99)</p> <p>(30) Priority Data: 98/9243 9 October 1998 (09.10.98) ZA</p> <p>(71) Applicant (for all designated States except US): TRICO PRODUCTS CORPORATION [US/US]; 3255 West Hamlin Road, Rochester Hills, MI 48309 (US).</p> <p>(72) Inventor; and (75) Inventor/Applicant (for US only): SWANEPOEL, Adriaan, Retief [ZA/ZA]; 309 Aries Street, Waterkloof Ridge, 0181 Pretoria (ZA).</p> <p>(74) Agent: NACHENIUS, Elizabeth; Adams &amp; Adams (Johannesburg Office), 3rd Floor, 23 Wellington Road, Parktown, P.O. Box 10155, 2000 Johannesburg (ZA).</p>	<p>(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p><b>Published</b> With international search report.</p>	

(54) Title: A WINDSCREEN WIPER



## (57) Abstract

A windscreen wiper includes an elongate curved backbone which is of a resiliently flexible material having a Young's modulus of between 50 to 350 GPa. The backbone has a substantially spatially consolidated cross-sectional profile at substantially all points along its length, and the magnitude of the width at substantially the widest point along the backbone,  $W_m$  (expressed in millimeters) is at most  $(-8.889 \cdot 10^{-5} \cdot E + 0.05378) \cdot L - 5.25$ , where  $L$  is the total length of the backbone expressed in millimetres and  $E$  is the Young's modulus of the backbone material expressed in GPa. The invention also provides a relationship between the thickness and the length of the backbone.